**EAST Search History**

**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| L1 | 2 | "6969553".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 15:32 |
| L2 | 0 | 1 and (knot near strength) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 15:33 |
| L3 | 2 | "5342567".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 16:20 |
| L4 | 103 | (nakabashi-jun$.in.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 16:32 |
| L5 | 2 | 4 and (polyethylene near (fiber fibre filament)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 16:33 |
| L6 | 6 | 4 and polyethylene | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 16:33 |
| L7 | 6 | 6 and (fiber fibre filament) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 16:33 |

| L8 | 1084 | (nagao-tak$.in.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 16:36 |
|----|------|------------------|----|----|----|------|
| L9 | 1 | 8 and (polyethylene near (fiber fibre filament)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 16:36 |
| L10 | 42 | 8 and polyethylene | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 16:36 |
| L11 | 9 | 10 and (fiber fibre filament) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 16:36 |
| L12 | 8 | (polyethylene near (fiber fiber filament multifilament strand yarn multi-filament)) with raman with strength with knot with (elongation modulus) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 17:19 |
| L13 | 6 | (polyethylene near (fiber fiber filament multifilament strand yarn multi-filament)) with monoclinic with strength with knot with (elongation modulus) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 17:20 |
| L14 | 7 | (polyethylene near (fiber fiber filament multifilament strand yarn multi-filament)) same monoclinic same strength same knot same (elongation modulus) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 17:21 |

| L15 | 1 | 14 not 13 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 17:21 |
| L16 | 2444 | (yamanaka-a$.in.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 17:31 |
| L17 | 22 | 16 and (polyethylene near (fiber fibre filament)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 17:32 |
| L18 | 172 | (kitagawa-sus$.in.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 17:39 |
| L19 | 6 | 18 and (polyethylene near (fiber fibre filament multifilament multi-filament)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 17:39 |
| L20 | 4 | 19 and raman | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 17:41 |
| L21 | 2 | "20070148452".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 18:12 |
| L22 | 2 | 21 and (elastic near modulus) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 18:12 |

| L23 | 8 | "6723267".pn.<br>"6916533".pn.<br>"6770363".pn.<br>"6605348".pn. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/28<br>20:03 |
|-----|---|---|---|---|---|---|
| L24 | 0 | 23 and raman | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/28<br>20:03 |
| L25 | 0 | 23 and monoclinic | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/28<br>20:04 |
| L26 | 0 | 23 and (knot near strength) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/28<br>20:04 |
| L27 | 6 | 23 and strength | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/28<br>20:04 |
| L28 | 6 | 27 and modulus | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/28<br>20:04 |
| L29 | 8 | (polyethylene near (fiber fiber filament multifilament strand yarn multi-filament)) same raman same strength same knot same (elongation modulus) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/28<br>20:11 |
| L30 | 18 | (polyethylene near (fiber fiber filament multifilament strand yarn multi-filament)) and raman and strength and knot and (elongation modulus) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/28<br>20:12 |

| L64 | 0 | 1 and knot | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/28 20:48 |
|---|---|---|---|---|---|---|
| S27 | 0 | "200173173".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/27 23:11 |
| S28 | 2 | "0173173".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/27 23:11 |
| S29 | 5 | "173173".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/27 23:11 |
| S30 | 2 | "2000173173".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/03/27 23:12 |

**EAST Search History (Interference)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L31 | 11 | (polyethylene near (fiber fiber filament multifilament strand yarn multi-filament)) and raman and strength and knot and (elongation modulus) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:15 |

| L32 | 1 | (polyethylene near (fiber fiber filament multifilament strand yarn multi-filament)) same raman same strength same knot same (elongation modulus) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:15 |
|-----|-----|-----|-----|-----|-----|-----|
| L33 | 33 | (sakamoto-go$.in.) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:16 |
| L34 | 23 | 33 and (polyethylene near (fiber fibre filament yarn multifilament multi-filament strand)) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:17 |
| L35 | 1 | 34 and (raman near shift near factor) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:17 |
| L36 | 4 | 34 and (knot near strength) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:17 |
| L37 | 2 | 36 and monoclinic | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:18 |
| L38 | 276 | (ohta-yas$.in.) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:20 |
| L39 | 19 | 38 and (polyethylene near (fiber fibre filament yarn multifilament multi-filament strand)) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:20 |
| L40 | 1 | 39 and (raman near shift near factor) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:20 |
| L41 | 1 | 39 and (knot near strength) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:20 |
| L42 | 1 | 39 and monoclinic | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:20 |
| L43 | 160 | (fukushima-yasu$.in.) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:23 |

| L44 | 3 | 43 and (polyethylene near (fiber fibre filament yarn multifilament multi-filament strand)) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:23 |
|---|---|---|---|---|---|---|
| L45 | 102 | (murase-hiro$.in.) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:24 |
| L46 | 7 | 45 and (polyethylene near (fiber fibre filament yarn multifilament multi-filament strand)) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:24 |
| L47 | 1 | 46 and (raman near shift near factor) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:24 |
| L48 | 1 | 46 and (knot near strength) | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:25 |
| L49 | 1 | 46 and monoclinic | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:25 |
| L50 | 2003 | (polyethylene near (fiber fibre filament yarn multifilament multi-filament strand)).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:25 |
| L51 | 3 | (raman near shift near factor).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:26 |
| L52 | 75 | (knot near strength).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:26 |
| L53 | 223 | (monoclinic near crystal).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:26 |
| L54 | 32123 | (modulus (elongation near2 break)).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:27 |
| L55 | 136549 | (tensile strength).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:27 |
| L56 | 1 | 50 and 51 and 52 and 54 and 55 | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:28 |

| L57 | 1 | 50 and 51 and 52 and 54 | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:28 |
| L58 | 1 | 50 and 51 and 52 | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:28 |
| L59 | 1 | 50 and 51 | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:29 |
| L60 | 1 | 50 and 53 and 52 and 54 and 55 | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:29 |
| L61 | 1 | 50 and 53 and 52 and 54 | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:29 |
| L62 | 1 | 50 and 53 and 52 | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:30 |
| L63 | 2 | 50 and 53 | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/28 20:30 |

**3/28/10 9:02:16 PM**
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